

```
[LightGBM] [Info] Number of positive: 11788, number of negative: 3212
[LightGBM] [Info] Auto-choosing row-wise multi-threading, the overhead of testing was 0.003950 seconds.
You can set `force_row_wise=true` to remove the overhead.
And if memory is not enough, you can set `force_col_wise=true`.
[LightGBM] [Info] Total Bins 2067
[LightGBM] [Info] Number of data points in the train set: 15000, number of used features: 87
[LightGBM] [Info] [binary:BoostFromScore]: pavg=0.785867 -> initscore=1.300188
[LightGBM] [Info] Start training from score 1.300188
```

► **Pipeline**

▼ **feature\_selection: SelectFromModel**

SelectFromModel(estimator=Lasso(alpha=0.000377445362565354, random\_state=1))

► **estimator: Lasso**

▼ **Lasso**

Lasso(alpha=0.000377445362565354, random\_state=1)

▼ **LGBMClassifier**

LGBMClassifier(max\_depth=7, min\_child\_samples=4, n\_estimators=1000, n\_jobs=-1,  
num\_leaves=2, random\_state=1)